

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US2005/000378

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C07K14/495 C12N15/62 C12N5/10

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C07K C12N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, Sequence Search, WPI Data, PAJ, BIOSIS, EMBASE, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 373 994 A (ONCOGEN LIMITED PARTNERSHIP) 20 June 1990 (1990-06-20) page 18, line 24 - page 19, line 14 example 10 especially page 43 lines 21-26 claims 32,36,47; figures 1,33	1-22
A	EP 0 319 641 A (GREEN CROSS CORPORATION) 14 June 1989 (1989-06-14) page 1, line 5 - line 31 page 5, line 17 - line 21 page 5, line 54 - page 6, line 1 claims 1,7	1-19
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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- *A* document defining the general state of the art which is not considered to be of particular relevance
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- *P* document published prior to the international filing date but later than the priority date claimed

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Date of the actual completion of the international search

27 Apr11 2005

Date of mailing of the international search report

06/05/2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	<p>ZOU Z ET AL: "Overexpression of human transforming growth factor-beta1 using a recombinant CHO cell expression system" PROTEIN EXPRESSION AND PURIFICATION, ACADEMIC PRESS, SAN DIEGO, CA, US, vol. 37, no. 2, October 2004 (2004-10), pages 265-272, XP004552247 ISSN: 1046-5928 the whole document</p>	1-22

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Information on patent family members

International Application No

PCT/US2005/000378

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0373994	A	20-06-1990	AT 118546 T	15-03-1995
			AU 638952 B2	15-07-1993
			AU 4588289 A	21-06-1990
			CA 2003886 A1	16-06-1990
			CN 1044125 A	25-07-1990
			DE 68921167 D1	23-03-1995
			DE 68921167 T2	01-06-1995
			DK 638989 A	17-06-1990
			EP 0373994 A1	20-06-1990
			ES 2070924 T3	16-06-1995
			IE 67811 B1	01-05-1996
			JP 3130089 A	03-06-1991
			NO 894759 A ,B,	18-06-1990
			NZ 231581 A	27-01-1993
			PT 92454 A ,B	29-06-1990
			US 5844085 A	01-12-1998
			ZA 8909032 A	26-09-1990
EP 0319641	A	14-06-1989	CA 1326217 C	18-01-1994
			DE 3884356 D1	28-10-1993
			DE 3884356 T2	10-03-1994
			EP 0319641 A1	14-06-1989
			ES 2059428 T3	16-11-1994
			JP 2167095 A	27-06-1990
			JP 2791418 B2	27-08-1998
			KR 9705250 B1	14-04-1997
			US 5503993 A	02-04-1996